

IN THE CLAIMS:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Previously Presented) A projector for use with a screen, comprising:
a projection lens having a zoom function that forms a projected image,
corresponding to an image signal, on the screen;
a zoom state detection section that detects a zoom state of the projection lens;
and
an uneven color correction section that performs uneven color correction on
the image signal based on the zoom state detected by said zoom state detection section.
2. (Previously Presented) The projector according to claim 1, the uneven color
correction section including a memory in which uneven color correction data according to the
zoom state is stored.
3. (Previously Presented) The projector according to claim 2, the uneven color
correction section including a control circuit and an uneven color correction circuit, the
memory storing and holding first and second uneven color correction data according at least
to first and second zoom states, the control circuit calculating the uneven color correction
data in a zoom state between the first and second zoom states based on the first and second
uneven color correction data, and the uneven color correction circuit performing uneven color
correction on the image signal using the calculated uneven color correction data.
4. (Previously Presented) The projector according to claim 1, further comprising
a light valve that modulates at least one of transmitted light and reflected light according to
the image signal.

5. (Previously Presented) A method of correcting uneven color of a projector that forms a projected image corresponding to an image signal on a screen by a projection lens having a zoom function, the method comprising:

detecting a zoom state of the projection lens; and

performing uneven color correction on the image signal in accordance with the detected zoom state of the projection lens.

6. (Previously Presented) The method of correcting uneven color of a projector according to claim 5, further comprising:

calculating uneven color correction data according to the detected zoom state;

and

performing the uneven color correction on the image signal using the calculated uneven color correction data.

7. (Previously Presented) The method of correcting uneven color of a projector according to claim 6, the uneven color data calculation step including selecting uneven color correction data corresponding to the detected zoom state from a plurality of sets of uneven color correction data corresponding to previously stored and held zoom states.